

Attachment No. 6

Flash Emissions

Storage Tank - Flash Calculations - DURKEE FACILITY

Input Data

Facility

Separator Pressure - psig	20
Upstream Pressure - psig	18
Separator Fluid Temp. - F	85
Throughput - bbl/year	5110
API Gravity	39
Atmospheric Pressure - psia	14.696
Average Temperature - F	80
Operating Schedule - day/mo.	30.4
Operating Schedule - mo./year	12
Gas Specific Gravity	0.59
Oil Specific Gravity	0.8322

Vasquez Beggs GOR Correlation

Constants

C 1	0.0178
C 2	1.187
C 3	23.031
SG 100	0.53348731
Gas Oil Ratio =	3.32362569
Flash Gas Loss (tpy) total =	0.84022398

Rollins, McCain, & Creeger Correlation

Black Oil GOR =	4.12140164
Flash Gas Loss (tpy) total =	1.04190447